

DERWENT-ACC-NO: 1987-010128

DERWENT-WEEK: 198702

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TITLE: Sheath-core type conjugate polyester
fibre - with sheath consisting of polyethylene
terephthalate copolymerised with sulpho-isophthalate deriv.

PATENT-ASSIGNEE: TORAY IND INC [TORA]

PRIORITY-DATA: 1985JP-0101428 (May 15, 1985)

*Sheath - diff to dye
core - easily dyable (PET-
cationic
dye)*

PATENT-FAMILY:

PUB-NO	PUB-DATE	
LANGUAGE	PAGES	MAIN-IPC
JP 61266617 A	006	November 26, 1986
	N/A	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP 61266617A	N/A	
1985JP-0101428	May 15, 1985	

INT-CL (IPC): D01F008/14

ABSTRACTED-PUB-NO: JP 61266617A

BASIC-ABSTRACT:

The conjugate fibre has a sheath consisting of polyester that is difficult to dye with cationic dye and a core consisting of a polyester modified with comonomer which has an affinity for cationic dye. In the cross section at right angle to axis of fibre, ratio of cross sectional area of sheath component to total cross sectional area of the fibre is 0.05 to 0.30. The comonomer is a cpd. of formula (I) and is used in 1.0 to 10.0 mol.%, where

M is alkali metal;

A and A' are -CH₃ or -(CH₂)_nOH; n is at least 2. (I) are e.g.

dimethyl(5-sodium sulpho) isophthalate and bis-2-hydroxyethyl (5-sodium sulpho)isophthalate. The polyester for sheath consists mainly of polyethylene terephthalate and may contain less than 20% of comonomer.

ADVANTAGE - The conjugate polyester fibre produces woven and knitted fabrics which can be decorated with high quality coloured patterns by dip dyeing through control of alkali treatment.

CHOSEN-DRAWING: Dwg. 0/0

TITLE-TERMS: SHEATH CORE TYPE CONJUGATE POLYESTER FIBRE
SHEATH CONSIST

POLYETHYLENE TEREPHTHALATE COPOLYMERISE SULPHO
ISOPHTHALATE

DERIVATIVE

DERWENT-CLASS: A23 F01

CPI-CODES: A05-E04E; A05-E05; A09-A06; A12-S05B; F01-D04;
F01-E01; F03-C06;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0004 0015 0016 0037 0203 0041 0044 0047 0050
0053 0226 0231 1291

1319 1384 1462 1464 2322 2525 2660 2821

Multipunch Codes: 014 02& 038 04- 05& 05- 06- 075 081 09&
09- 10& 10- 143 144

151 155 163 166 167 169 17& 170 171 230 33& 364 366 481 546
597 600 601 664 667

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1987-003886